IT Unit 3

Topic 2

# Ch 2, Data Analytics: Drawing Conclusions, Part 1

**Solution specifications** (Informatics, p 78)

The SAT comprises 2 solutions:

The solution for Unit 3, Outcome 2 is the information you create from the data you collect and analyse. This information is used to support or refute your hypothesis.

The solution for Unit 4, Outcome 1, is the multimodal online solution, (MMOS) that communicates your findings about the hypothesis.

In creating the solutions for the SAT you will be using the PSM to guide the development.

**Analysis Stage:**

**Solution Requirements:**

**Functional requirements**

1. What do you understand by “functional requirements” of the solution?
2. What will the main functional requirement be of your Outcome’s information?

**Non-Functional requirements**

1. Explain what is meant by non-functional requirements of the solution.

**Data requirements**

1. What steps need to be performed on data to help support your hypothesis?

**Constraints, p 80**

1. What are constraints on a solution? Give an example of each of the following five categories of constraints:
   1. Economic
   2. Technical
   3. Social
   4. Legal
   5. Useability

**Scope, p 81**

1. What does the scope of a solution refer to?
2. Why is it important to define the scope?
3. What is the scope of a solution largely defined by?